# Forensic and Investigative Sciences - BS, Science Emphasis

## Program Requirements

### First Year

**Fall**
- **FIVS 101** or **AGLS 101**: Introduction to Academic Success in Forensic and Investigative Sciences or Modern Agricultural Systems and Renewable Natural Resources  
  - Credit Hours: 1
- **BIOL 111**: Introductory Biology I  
  - Credit Hours: 4
- **CHEM 119**: Fundamentals of Chemistry I  
  - Credit Hours: 4
- **FIVS 205**: Introduction to Forensic and Investigative Sciences  
  - Credit Hours: 3
- **MATH 140**: Mathematics for Business and Social Sciences  
  - Credit Hours: 1

**Semester Credit Hours**: 15

### Spring
- **BIOL 112**: Introductory Biology II  
  - Credit Hours: 4
- **CHEM 120**: Fundamentals of Chemistry II  
  - Credit Hours: 4
- **FIVS 102**: Continuing Academic Success in Forensic and Investigative Sciences  
  - Credit Hours: 1
- **Communication** ([link](http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication))  
  - Credit Hours: 3

**Semester Credit Hours**: 15

### Second Year

**Fall**
- Select one of the following:  
  - **CHEM 257**: Organic Chemistry I - Structure and Function  
  - **CHEM 227** & **CHEM 237**: Organic Chemistry I and Organic Chemistry Laboratory  
  - **PHYS 201**: College Physics  
  - **American history** ([link](http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history))  
  - **Communication** ([link](http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication))  
  - Credit Hours: 3

**Spring**
- **PHYS 202**: College Physics  
  - Credit Hours: 4
- Select one of the following:  
  - **CHEM 258**: Organic Chemistry II - Reactivity and Applications  
  - **CHEM 228** & **CHEM 238**: Organic Chemistry II and Organic Chemistry Laboratory  
  - Credit Hours: 4

**Semester Credit Hours**: 14

### Third Year

**Fall**
- **BICH 410**: Comprehensive Biochemistry I  
  - Credit Hours: 3
- **BICH 412**: Biochemistry Laboratory I  
  - Credit Hours: 1
- **CHEM 315**: Fundamentals of Quantitative Analysis  
  - Credit Hours: 3
- **CHEM 318**: Quantitative Analysis Laboratory  
  - Credit Hours: 1
- **FIVS 282**: Occupational and Professional Development  
  - Credit Hours: 2
- **FIVS 308**: Forensic Implications of Inheritance  
  - Credit Hours: 4
- Directed elective  
  - Credit Hours: 3

**Semester Credit Hours**: 14

### Spring
- **BICH 411**: Comprehensive Biochemistry II  
  - Credit Hours: 3
- **FIVS 422**: Crime Scene Investigation  
  - Credit Hours: 3
- Select one of the following:  
  - **FIVS 401** & **SCSC 401**: Forensic Soil Science  
  - **FIVS 431** & **ENTO 431** & **FIVS 432** & **ENTO 432**: The Science of Forensic Entomology and Applied Forensic Entomology  
  - **FIVS 481**: Seminar  
  - **Government/Political science** ([link](http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science))  
  - **Creative arts** ([link](http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creativearts))  
  - Credit Hours: 3-4

**Semester Credit Hours**: 16

### Fourth Year

**Fall**
- **FIVS 316**: Biotechnology and Forensics  
  - Credit Hours: 4
- **FIVS 484**: Internship  
  - Credit Hours: 2
- **Government/Political science** ([link](http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science))  
  - Credit Hours: 3
- Directed elective  
  - Credit Hours: 3
- Directed elective  
  - Credit Hours: 3

**Semester Credit Hours**: 16

### Spring
- **FIVS 415**: Practice and Principles of Science and Law  
  - Credit Hours: 3
- **FIVS 435**: Case Studies in Problem Solving  
  - Credit Hours: 4
- **STAT 302**: Statistical Methods  
  - Credit Hours: 3
- **Social and behavioral sciences** ([link](http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences))  
  - Credit Hours: 3

**Semester Credit Hours**: 15
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General elective

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<thead>
<tr>
<th>Semester Credit Hours</th>
<th>2-3</th>
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<tbody>
<tr>
<td>Total Semester Credit Hours</td>
<td>15</td>
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1. MATH 150 and MATH 152 will be accepted in lieu of MATH 140.
2. MATH 151 will be accepted in lieu of MATH 142.
3. Students must choose directed electives in consultation with the student’s advisor based on career and educational goals and from the current list of approved courses published by the department.

Select from the following: ANSC 326/FSTC 326, ANTH 225, ANTH 425, ANTH 427, BIOL 213, BIOL 319, BIOL 320, BIOL 351, BIOL 413, BIOL 430, BIOL 454; CHEM 318, CHEM 325, CHEM 326, CHEM 327, CHEM 328, CHEM 362, CHEM 415, CHEM 434; ENTO 210, ENTO 403, ENTO 423, ENTO 426/VIBS 426, ENTO 428, ENTO 441, ENTO 442; FIVS 200-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/fivs/); GENE 412, GENE 420/BICH 420; PHLT 300-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/phlt/); PHYS 221, PHSI 305, PHSI 306, PHSI 371; SCSC 301, SOCI 304; VIBS 305, VTPB 405, VTPP 425.

4. This course fulfills a writing requirement. See Requirement for a Baccalaureate Degree (http://catalog.tamu.edu/undergraduate/general-information/degree-information/#requirementsforabaccalaureatedegreetext) section.

The Forensic and Investigative Sciences program requires students to earn a grade of C or better in all courses within the program curriculum.

University Graduation Requirements:

- Foreign Language (two years of the same language in high school or one year/two semester sequence in college)
- Writing Intensive courses (two courses designated W in major or one W and one C course in major)
- International and Cultural Diversity (http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/) courses (three credit hours)
- Cultural Discourse (http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/) course (three credit hours)